

MULTIBAND ULTRA WIDEBAND COMMUNICATIONS

Abstract of the Disclosure

A multiband ultra wideband communications (UWB) is provided for implementing multichannel shaped-pulses in parallel for the indoor and outdoor UWB operation according to some embodiments. The multiband UWB has a flexibility to implement a multirate data on the multichannel with low power consumption. The multiband UWB can also transmit and receive the information data rate with scalability.